METHOD FOR WAVELENGTH SWITCH NETWORK RESTORATION

ABSTRACT OF THE DISCLOSURE

A fiberoptic network with an optical supervisory channel in each of the optical fibers interconnecting the nodes of the network is described. Together with IP routers, the

5   optical supervisory channels form a control network over which signaling and control signals are exchanged by which provisioning and restoration operations are performed at each node. To restore connections between the nodes upon a failure of the network, the control network helps to maintain at each node a synchronized database of network connections between the nodes, send messages to other nodes to initiate restoration operations by a node noticing the

10   failure; and recalculate network connections around the failure by each node from a synchronized database at the node.